

# Data Sheet: NP70 FDA

MATERIAL: NEOPRENE 70 SHORE FDA  
(COMPLIES WITH FDA REGULATION 21 CFR177.1550)

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to 121°C

SPECIFICATION: ASTM D 2000 M3BC710 A14 B14 EO14 EO34 Z1 (Z1= FDA)

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	72
TENSILE STRENGTH, MPa	10	12.3
ELONGATION %	250	319
SPECIFIC GRAVITY		1.418

#### HEAT AGEING 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	+15	+8
TENSILE STRENGTH CHANGE %	-15	+3
ELONGATION CHANGE %	-40	-21

#### COMPRESSION SET

22 hrs @ 100°C %	35	13
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#### FLUID RESISTANCE, NO.1 OIL 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	+/-10	-9
TENSILE STRENGTH CHANGE %	-30	-0.7
ELONGATION CHANGE %	-30	-21
VOLUME CHANGE %	-10/+15	+0.3

#### FLUID RESISTANCE, NO.3.OIL 70 hrs @ 100°C

TENSILE STRENGTH CHANGE %	-60	-57
ELONGATION CHANGE %	-50	-32
VOLUME CHANGE %	+100	+58

*The above test results are based on test slabs / buttons. The results from the actual parts may be different.*

Issue Date: 10.09.2014